Patent Claims

1. Optical observation instrument with at least one eyepiece in which a device for displaying information preferably relating to the adjusted instrument parameters, the current operating state and/or the object to be observed in a visually perceptible manner is arranged in the intermediate image plane.

2. Optical observation instrument according to claim 1, characterized in that a self-illuminating LED display which is connected to control electronics or an LCD display with background illumination which is connected to control electronics is provided in the intermediate image plane of the eyepiece.

3. Optical observation instrument according to claim 1 or 2, characterized in that the control electronics are integrated in the eyepiece tube and are connected by control lines and supply lines to a central operating device and supply device of the observation instrument.

4. Optical observation instrument according to one of the preceding claims, characterized in that the information for the observer is perceptible in the eyepiece outside the image field area reserved for observation of the specimen.

5. Eyepiece for optical observation instruments with a device arranged in the intermediate image plane for displaying information in a visually perceptible manner, according to one of the preceding claims, which is constructed with respect to shape, size and fastening means in the same manner as an eyepiece not having such a device, so that an eyepiece with or without such a device can be exchanged on optical observation instruments.